



# PowerShot GOLF

## Specifications

<b>Type of Device</b>	
Monocular Camera-equipped Telescopic Laser Rangefinder	
<b>Laser Rangefinding</b>	
<b>Laser Classification</b>	FDA 21 CFR Part 1040.10: Class I Laser Product
<b>Measurement Range</b>	Approximately 7.0 – 800 yds (6.4 – 732 m) (Range may be limited by object measured or environment)
<b>Measurement Accuracy</b>	Less than 100 yds (91 m) – +/- 1.0 yd. (0.91 m) 100 yds. (91 m) or more – +/- 2.0 yd. (1.83 m) (Straight-line measurement, based on Canon testing standards)
<b>Distance Display Increment</b>	0.5 yds (0.5 m)
<b>Measurement Speed</b>	Approx. 0.8 Sec.
<b>Measurement Methods/Modes</b>	<ul style="list-style-type: none"><li>• Slope-adjusted Measurement</li><li>• Straight-line Distance</li></ul> (with [SLOPE] set to [ON]: Horizontal distance +/- difference in elevation with [SLOPE] set to [Off]: Playback function and image delete function are restricted)
<b>Slope Sensor</b>	Built-in
<b>Continuous Rangefinding</b>	Available (Holding down the measure button halfway fires the laser for approx. 8 sec. after which flagpole-locking detects the target of measurement)
<b>Still Photo/Movie Recording</b>	Available (Selecting [Ranging+Photo] from the [Mode] menu enables still/video recording with rangefinder results superimposed over the image)
<b>Image Sensor</b>	
<b>Type</b>	1/3-inch CMOS Sensor
<b>Pixels</b>	EFFECTIVE: Up to approx. 11 megapixels TOTAL: approx 13.5 megapixels
<b>Aspect Ratio</b>	4:3 (Horizontal: Vertical)
<b>Lens</b>	
<b>Focal Length</b>	51.0mm (equivalent to approx. 410mm (35mm equivalent))
<b>Shooting Range</b>	Approx. 4.4 yd (approx. 4 m) to infinity
<b>Digital Zoom</b>	Enables approx. 2X magnification
<b>Telephoto Magnification</b>	When equivalent to approx. 410mm – 6X When equivalent to approx. 820mm – 12X (using digital zoom)
<b>F-Number</b>	f/3.9 (no aperture control)
<b>Image Stabilization</b>	
<b>Type</b>	Lens Shift System - 2-axis correction (pitch/yaw) (Stabilization cannot be deactivated.)
<b>Movie Digital IS</b>	Not Available

Recording Media	
<b>Compatible Media</b>	microSD / microSDHC / microSDXC memory cards * UHS-I Compatible
<b>Error Warnings</b>	Displayed in the viewfinder
<b>Card formatting</b>	Normal (Logical) Formatting (low-level formatting not available)
<b>No Card Warning</b>	Available
<b>Shutter Release Without Card</b>	Not Supported
<b>Image Recording Format</b>	Compliant with Design rule for Camera File System 2.0 and Exif 2.31 (Time difference information supported)
<b>Folder Setting</b>	Folders Created Automatically (selection of folders on cards not available)
<b>File Name Settings</b>	Not supported
<b>File Number</b>	Auto Reset (when cards are replaced, the numbering is reset to start from 0001. If the new card already contains images the existing numbering is continued)
Movie Recording	
<b>Format</b>	Container Format: MP4 Video: H.264 / MPEG-4 AVC Audio: MPEG-4 AAC -LC (Stereo)
<b>Quality</b>	Full HD 1920x1080 (Movie recording size not adjustable) • Lower image quality when recording at equivalent of approx. 820mm due to digital zoom.
<b>Frame Rate</b>	<b>When set to NTSC:</b> 30 fps / 24 fps <b>When set to PAL:</b> 25.00 fps
<b>Maximum Recording Time per Movie</b>	59 Seconds
<b>Total recording Time Available</b>	<b>8 GB:</b> Max 33 min. <b>32 GB:</b> Max 132 min. <b>128 GB:</b> Max 530 min.
<b>Maximum File Size</b>	<b>microSD FAT12/16:</b> Max 2 GB <b>microSDHC FAT32:</b> Max 4 GB <b>microSDXC exFAT:</b> Unlimited
<b>Card Performance Requirements</b>	SD Speed Class 6 or Higher
<b>Video System</b>	NTSC/PAL
<b>Recording Microphone</b>	Built-in Stereo Microphones • No external microphone IN terminal provided.
<b>White Balance</b>	Auto
Viewfinder	
<b>Type</b>	OLED Color Electronic Viewfinder
<b>Size</b>	0.39 Inch
<b>Dot Count</b>	<b>Width:</b> 1024 Dots <b>Height:</b> 768 Dots <b>Total:</b> Approx. 2,360,000 Dots
<b>Coverage</b>	Approx. 100% (With eyepoint of approx. 20 mm)
<b>Brightness Adjustment</b>	Not supported
<b>Electronic Viewfinder Refresh Rate</b>	59.94 fps

Autofocus	
<b>Focusing Method</b>	Contrast Detection
<b>Continuous AF</b>	Enable / Disable • AF is active during movie recording under all settings.
<b>Eye Detection</b>	Not supported
<b>AF Point Display</b>	Shown in the viewfinder when the shutter button is pressed halfway
<b>Focus Confirmation (show in viewfinder)</b>	Green Frame: In Focus Red Frame: Out of Focus
Exposure Control	
<b>Shooting Mode</b>	Autoexposure Shooting (Shooting mode selection not available)
<b>Metering Mode</b>	Center-weighted average metering (Metering mode cannot be changed)
<b>ISO Speed</b>	Still and Movie recording: Controlled automatically (ISO 100-3200)
<b>Exposure Compensation</b>	+/- 3 stops in 1/3-stop increments
<b>Exposure Compensation Factors</b>	Shutter Speed, ISO Speed
Shutter	
<b>Type (for still and movie recording)</b>	Electronic Shutter, using the image sensor
<b>Shutter Speed</b>	Controlled Automatically (1/8000 to 1/30 Sec.)
<b>Drive Mode</b>	Single Shooting
<b>Self-Timer</b>	Not Provided
Playback	
<b>playback Methods</b>	<ul style="list-style-type: none"> <li>• In Electronic Viewfinder</li> <li>• On a computer or Smartphone</li> </ul>
<b>Movie Playback</b>	<ul style="list-style-type: none"> <li>• Play</li> <li>• Skip backward (approx. 4 sec.)</li> <li>• Previous frame</li> <li>• Next Frame</li> <li>• Skip Forward (approx. 4 sec.)</li> </ul>
<b>Erase Images</b>	Select and erase images / all images on card
<b>Indicator Lamp</b>	<b>Green Lit/Blinking:</b> Accessing Card <b>Orange Lit:</b> Charging in Progress <b>Orange Off:</b> Charging Completed
<b>Slope Function Lamp (Blue)</b>	<b>Blinking:</b> Straight-line distance <b>Off:</b> Straight-line distance / Slope-adjusted distance
Menus	
<b>Display Device</b>	Shown in the electronic viewfinder
<b>Description</b>	<ul style="list-style-type: none"> <li>• Rangefinding</li> <li>• Shooting</li> <li>• Playback</li> <li>• Function Settings</li> </ul>
<b>Display languages</b>	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukrainian, Norwegian, Swedish, Spanish, Russian, Turkish, Simplified Chinese, Traditional Chinese, Korean, Japanese
<b>Firmware Updates</b>	Available

External Interface	
<b>Terminal Type</b>	USB Type-C
<b>Transmission</b>	Equivalent to Hi-Speed USB (USB 2.0)
<b>Applications</b>	For charging the built-in battery and powering the rangefinder * Recognized as a USB device when connected to computers; images on the rangefinder memory card can be browsed and imported.
Wireless Connections	
<b>Wi-Fi Connectivity</b>	Not Provided
<b>Bluetooth Connectivity</b>	Not Provided
Date/Time Function	
<b>Time Zone Settings</b>	Honolulu, Anchorage, Los Angeles, Denver, Chicago, New York, Caracas, New Foundland, São Paulo, Fernando de Noronha, Azores, London, Paris, Cairo, Moscow, Tehran, Dubai, Kabul, Karachi, Delhi, Kathmandu, Dacca, Yangon, Bangkok, Beijing/Singapore, Tokyo/Seoul, Adelaide, Sydney, Solomon Islands, Wellington, Chatham Islands, Samoa
<b>Time Difference Setting</b>	Available (in 15-minute increments)
<b>Daylight saving time</b>	Available
<b>Date/Time back-up Battery</b>	Same as battery that powers the rangefinder
Power Source	
<b>Battery</b>	Built-in rechargeable Lithium-ion battery
<b>Rated voltage/Capacity</b>	3.7 V, 1000 mAH
<b>Recharge Cycles</b>	Approx. 300 charging/usage cycles
<b>USB Power Source</b>	5 V 0.5 A or more (5 V 1 A or more recommended)
<b>Charging over USB</b>	Supported
<b>Power over USB</b>	Supported
<b>USB Charging Time</b>	Approx. 2 hr. 30 min. * The charging time required and the amount charged vary depending on ambient temperature and remaining capacity.
<b>Number of Still Photos that can be taken</b>	Approx. 200 shots * With a new, fully charged battery at room temperature (73°F)
<b>Time Available for Movie Recording</b>	Approx. 1 hr. 10 min. * With a new, fully charged battery at room temperature (73°F)
<b>Time Available for Image Display</b>	Approx. 1 hr. 40 min. * With a new, fully charged battery at room temperature (73°F)
<b>Battery Check</b>	Battery level automatically checked and indicated in a 4-level display when the unit is powered on.
<b>Power Saving Function</b>	<b>Auto Power off:</b> 5 sec. / 10 sec. / 15 sec. <b>Viewfinder off:</b> 1 min. / 3 min.
Exterior	
<b>Body Material</b>	Polycarbonate and Stainless Steel
<b>Exterior Color</b>	Black
<b>Water Resistance</b>	Equivalent to IPX4 * Not dustproof
<b>Tripod Socket</b>	Not Provided

Dimensions and Weight	
<b>Dimensions (W) x (H) x (D)</b>	Approx. 1.2 x 2.3 x 3.6 in. (31.0 x 58.9 x 91.2 mm)
<b>Weight (including memory card)</b>	Approx. 5.3 oz (151 g)
Operating Environment	
<b>Usable Temperature</b>	32-104°F (0-40°C)
<b>Usable Humidity</b>	10-90%